Computer tools can help you ...

Find the information you need.

Finding the information you need...

• Government agencies and academic institutions have lots of information.

• Computer tools can help you locate and access these resources.

Some examples...



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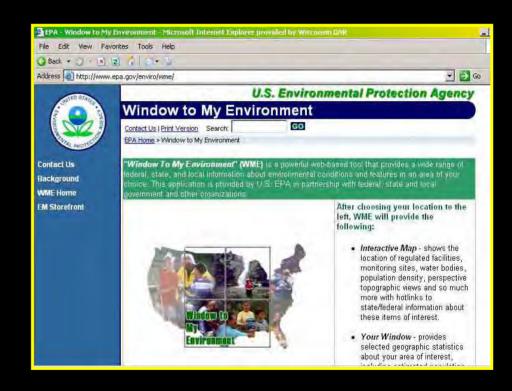
U.S. Environmental Protection Agency

Watershed Assessment Tracking & Environmental

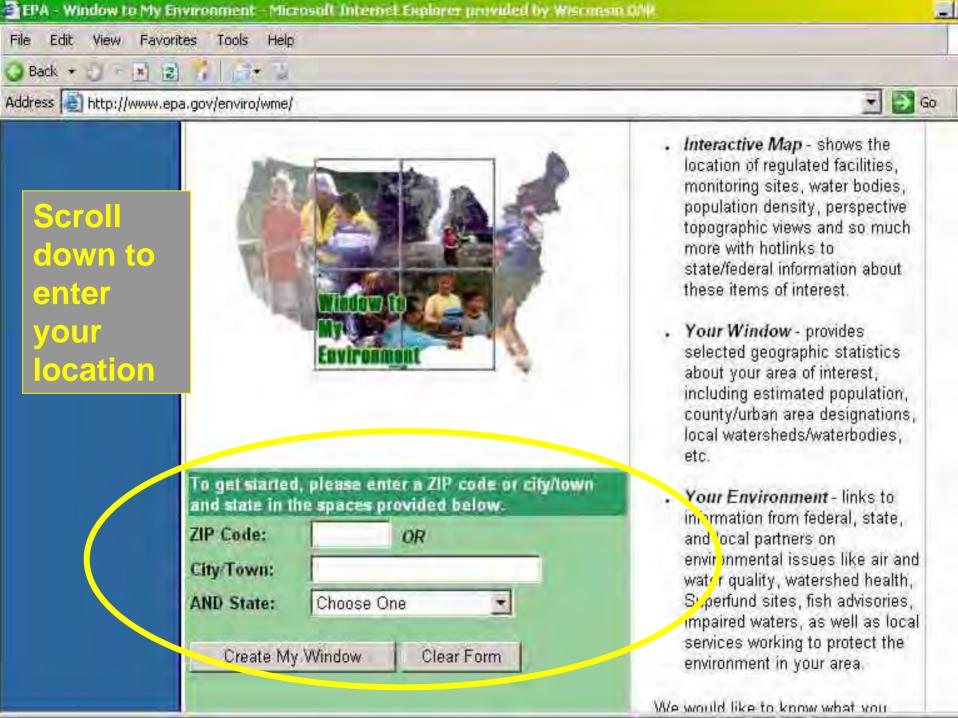
Window to My Environment

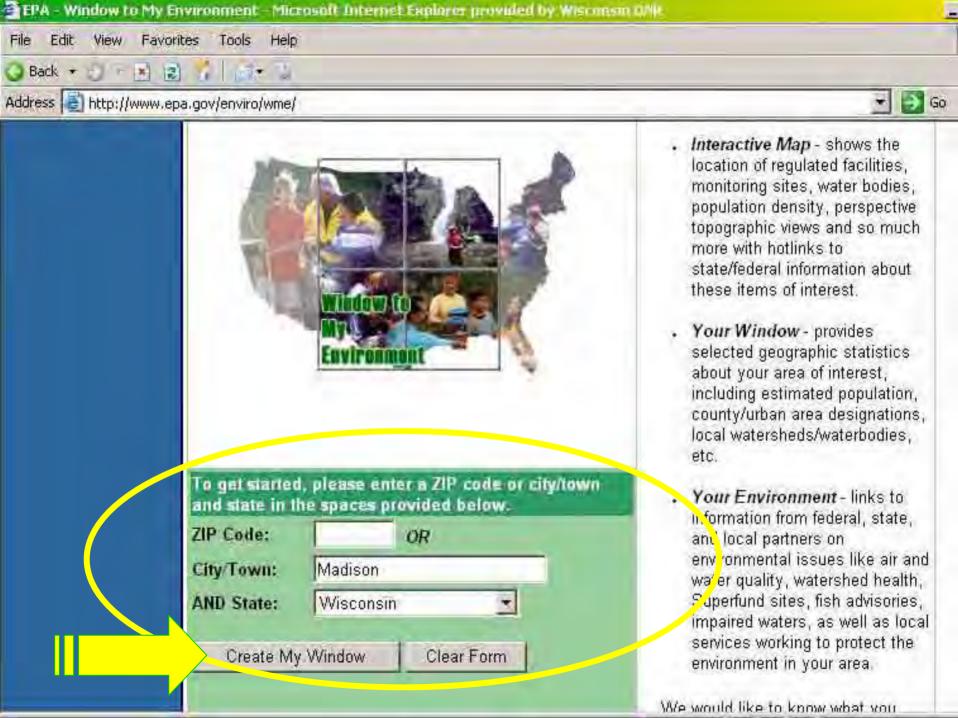
This EPA tool allows you to find local environmental information stored in EPA databases.

Use this tool to locate regulated facilities and monitoring sites, generate statistics about your area, etc.













Redraw Map Map Features

+ Places

+ Regulated sites

+Transportation * Water features Political boundaries Time Congressional Districts

City boundario

F = ZIP Codes

- Air monitors

USGS water monitor

□ Surface water

□ ■ Ground water Others **EPA** water monitors Surface Water

Others

Special Flood

Redraw Map

Ground water

Hazard Area

☑ □ Counties TT States

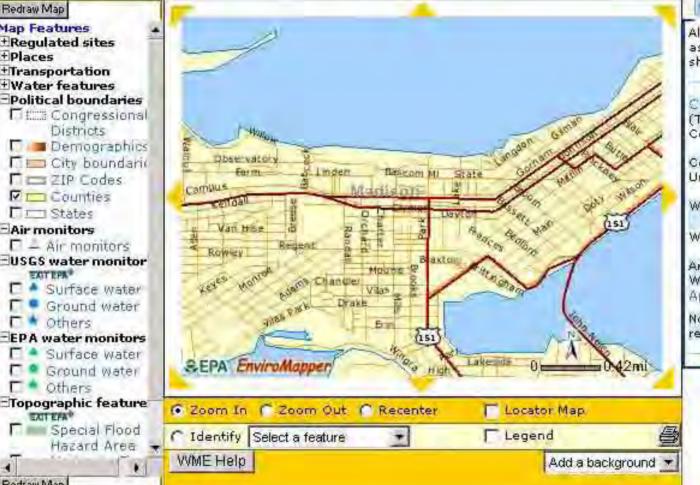
- Air monitors

EXITEPA

Window to My Environment

Contact Us | Online Help | Background

EPA Home > Where You Live > Window to My Environment > Mapping Results



Your Windswi Your Environmen

All features intersecting the map wind as part of the information contained I sheet below.

Madison
Dane WI

Congressional	District(s)	02(WI)	
Urban area		Madison	

Watershed(s)	Upper Rock
	Wisconsin

Waterbody(s)	
--------------	--

Area /	Width	of
Mindo	60	

	Street Street Contract of
Approx popu	Last Committee

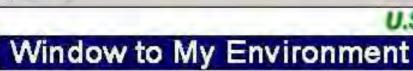
Click Here to VI

No. of faciliti	es
reporting to	EPA

Mendota La

Lake, Wingi

Click Here to VI



dap Features

Regulated sites

□ Superfund

■ more-acceptities

Toxic releases

Mater dischard

Air emissions

□ ■ Hazardous Waste

+Transportation

+ Water features

Political boundaries

C Congressional

Districts

Demodraphics

City boundarie

-USGS water monitor EXIT FFA? ■ Surface water

□ ■ Ground water

FPA water monitors

T = ZIP Codes

□ Counties

TI States

- Air monitors - Air monitors

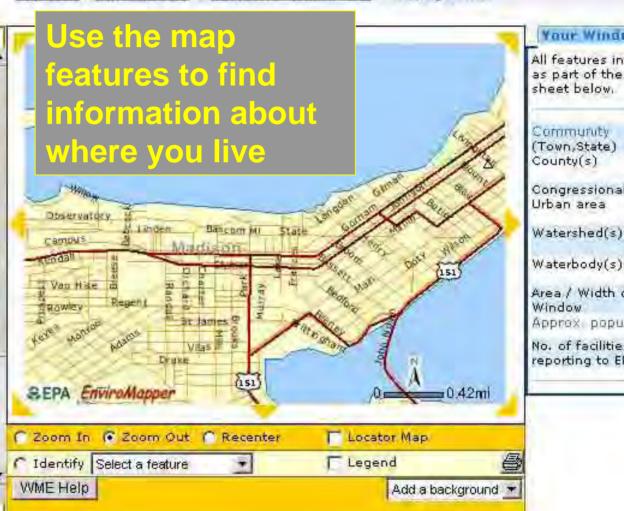
C * Others

Redraw Map

+ Places

Contact Us | Online Help | Background

EPA Home > Where You Live > Window to My Environment > Mapping Results



Your Windswi Your Environmen

All features intersecting the map wind as part of the information contained I sheet below.

Madison WI (Town, State) Dane WI

Congressional District(s) 02(WI)

Madison WI

Lipper Rock Wisconsin

Area / Width of

U.S. Environmental Protection

Approx population

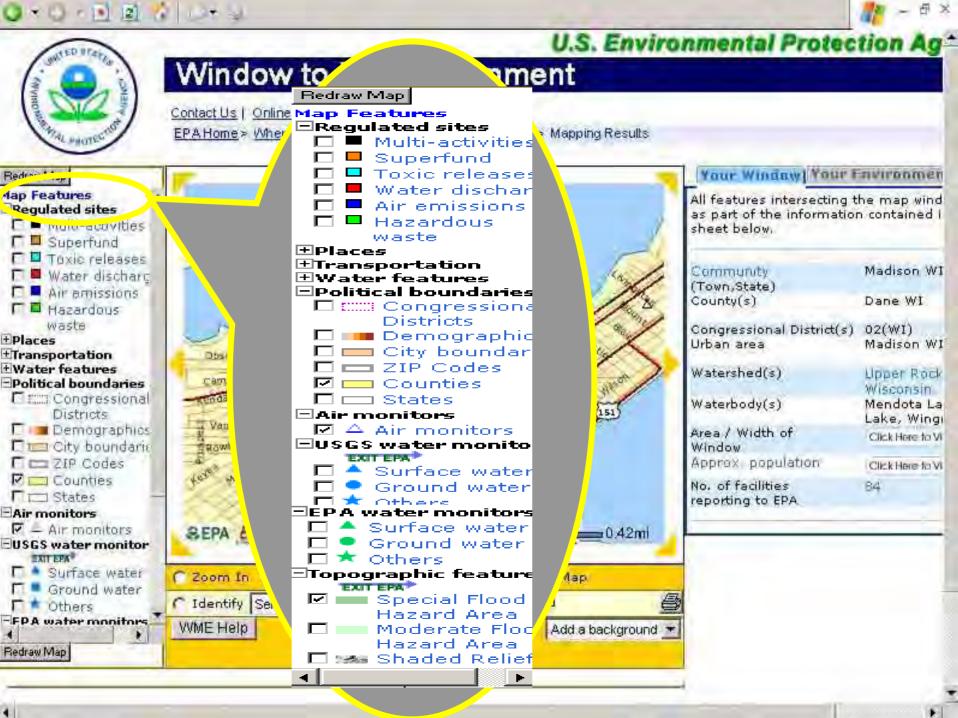
Click Here to VI

No. of facilities reporting to EPA

Mendota La

Lake, Wingi

Click Here to VI



U.S. Environmental Protection Agency Window to My Environment EPA Home > Where You Live > Window to My Environment > Mapping Results Your Window! Your Environment All features incersecting the map andow will appear as part or the information contained in the fact she below. Madison WI Community (Town, State) County(s) Dane WI Congressional District(s) 02(WI) Madison WI Urban area Watershed(s) Upper Rack, Illinois, Wisconsin. Mendota Lake, Monona Waterbody(s) Lake, Wingra Lake Area / Width of Click Here to View Window Apprex, population Click Here to View No. of facilities reporting to EPA 0.42ml Locator Map

information about your dari community 5510 raphics

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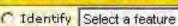
Observatory.

campus

J Van Hise

endall

SEOWBY-



Contact Us | Online Help | Background

Tables show important



SEPA EnviroMapper



C Zoom In . Zoom Out . Recenter

Bas-com: MI

Mudisor

Vilas i

Drake

State

Legend

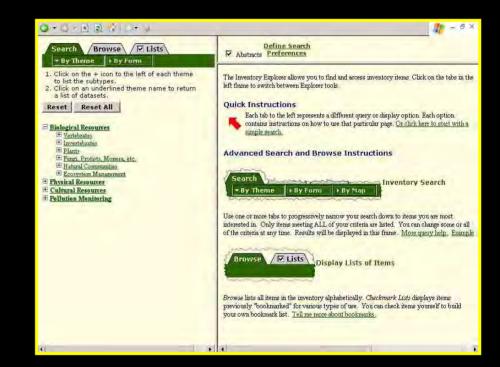
Add a background *



Aquatic and Terrestrial Resources Inventory (ATRI)

This Wisconsin DNR tool provides a "card catalog" for DNR's data holdings.

Use ATRI's "Metadata Explorer" to search by information source, data type, or location.



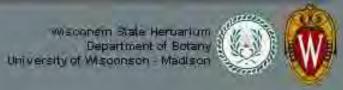




Citizen-Based Monitoring Conference, Aug. 20-21, 2004











Citizen-Based Monitoring Conference, Aug. 20-21, 2004

The Aquatic & Terrestrial Resources Inventory

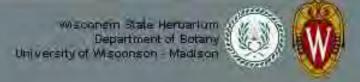
A Source of Ecological Data for Wisconsin

Click on metadata to access DNR's data holdings

About ATRI Partners Interactive Maps State vide inventory Metadata

© 2002 Mike Bailey Blue Rock Photography LLC





AQUATIC AND TERRESTRIAL RESOURCES INVENTORY

ATRI Metadata Explorer

Metadata is "data about data", in other words it is any information about the data such as:

- Data originator
- · Time period covered
- Study methodologies or process steps
- · Status of development
- · Current contact for data and access methods available to obtain it

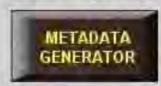
Much more information about metadata is available here

Find Metadata



The Metadata Explorer is a computerized "card catalog" designed to help locate ecological data affecting Wisconsin's landscape. It is primarily composed of data collected by the WDNR, but also contains pertinent data from other sources.

Create Metadata



Create basic metadata for your own datasets with the option of submitting it to ATRI. Fill in information for your dataset and view the summarized results. These may be saved as a webpage, copied into a document and/or sent along to ATRI.

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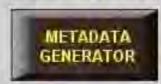
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- Click on the + icon to the left of each theme to list the subtypes.
- 2. Click on an underlined theme name to return a list of datasets.

Reset | Reset All

Biological Resources

- + Vertebrates
- **±** Invertebrates
- H Plants
- Fingi, Protists, Monera, etc.
- H Natural Communities
- Ecosystem Management
- E Physical Resources
- E Cultural Resources
- Follution Monitoring

Define Search Abstracts Preferences

The Inventory Explorer allows you to find and access inventory items. Click on the tabs in the left frame to switch between Explorer tools.

Quick Instructions



Each tab to the left represents a different query or display option. Each option contains instructions on how to use that particular page. Or click here to start with a simple search.

Advanced Search and Browse Instructions



Use one or more tabs to progressively narrow your search down to items you are most interested in. Only items meeting ALL of your criteria are listed. You can change some or all of the criteria at any time. Results will be displayed in this frame. More query help. Example







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Search Browse ✓ Lists - By Theme By Form

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Reset All

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- H Natural Communities
- Ecosystem Management
- E Physical Resources
- E Cultural Resources
- E Pollution Monitoring

Define Search

You can search through DNR's data holdings by theme or form

n the tabs in the



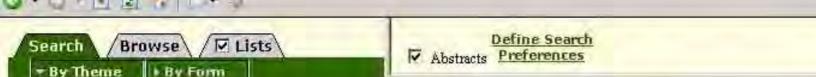
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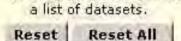


Use one or more tabs to progressively narrow your search down to items you are most interested in. Only items meeting ALL of your criteria are listed. You can change some or all of the criteria at any time. Results will be displayed in this frame. More query help. Example

Or you can browse through an alphabetized list of data...

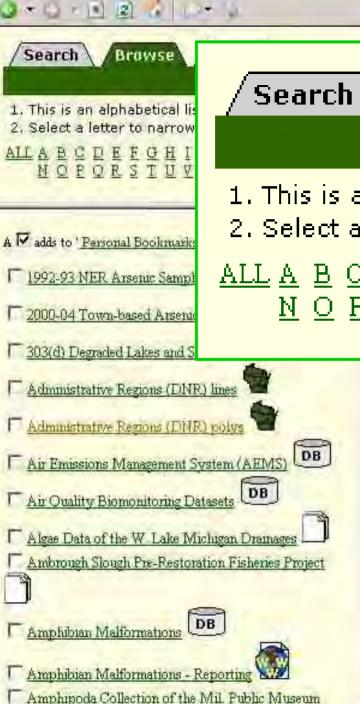
isplay Lists of Items

Browse lists all items in the inventory alphabetically. Checkmark Lists displays items previously "bookmarked" for various types of use. You can check items yourself to build your own bookmark list. Tell me more about bookmarks.



- Biological Resources
 - + Vertebrates
 - 1 Invertebrates
 - # Plants
 - Fingi Protists, Monera, etc.
 - H Natural Communities
 - Ecosystem Management
- E Physical Resources
- E Cultural Resources
- Follution Monitoring

...



Search Browse ✓ Lists

- 1. This is an alphabetical listing by item name.
- 2. Select a letter to narrow search or ALL.

<u>ALL A B C D E F G H I J K L M</u> N O P Q R S T U V W X Y Z

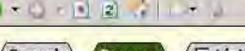


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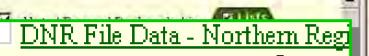
Search

Browse

▼ Lists

- 1. This is an alphabetical listing by item name.
- 2. Select a letter to narrow search or ALL.

ALLABCDEFGHIJKLM NOFQRSIUVWXYZ





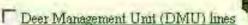


DB

DNR Project Boundaries polys



Dams Safety Database



Deer Management Units (DMU) polys

Digital Elevation Model (DEM) 30m

Digital Elevation Model (DEM) 500m

Digital Elevation Model (DEM) 75m

Browse Mode - Listing ALL items alphabetically

Summary Metadata Detailed Metadata Data Access Options

Browse Graphic Usage Documentation



DNR Managed Lands Amin isi

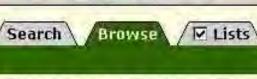
Notice: See Use Constraints for important information about data set.

Abstract: This data set is a polygon shapefile representing the boundaries of Wisconsin DNR managed lands which are managed through fee ownership, easement or lease rights. The data are a spatial representation of the Bureau of Facilities and Lands Oracle Land Records System and are not intended to be a legal representation of parcels. This data set does not differentiate between lands that are open or closed to the public for hunting and/or general public access. Some lands represented in this data set may not be open to the general public, or may have specific limitations or restrictions on public use. This data set is not intended for use as a land management tool; it is a listing of all DNR real estate transactions that have occurred on these lands over time. For information about the actual management, including public use and public access of the lands, contact the nearest DNR Regional office. This is a dynamic database as the Department acquires parcels on an ongoing basis.

Purpose: This data set was created as a system for tracking and mapping land parcels managed by the Wisconsin DNR. It is a generalized representation of Wisconsin DNR-managed lands. It is not intended as a legal record. The level of accuracy does not support detailed local analysis. The data are intended for use with ArcView, ArcInfo, or other GIS software which support shapefile format data.

Originator: Wisconsin Dept. of Natural Resources

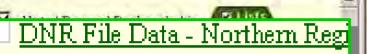
Data Update Frequency: As needed



T () - [0] [2]

- 1. This is an alphabetical listing by item name.
- 2. Select a letter to narrow search or ALL.

ALLABC DE EGHIJK LM NOFQRSIUVWXYZ







DNR Project Boundaries polys



After selecting a dataset

Dams Safety Database

Deer Management Unit (DMU) lines

Deer Management Units (DMU) polys

Digital Elevation Model (DEM) 30m

Digital Elevation Model (DEM) 500m

Digital Elevation Model (DEM) 75m

Browse Mode - Listing ALL items alphabetically

Summary Metadata

Detailed Metadata Data Access Options Browse Graphic

Usage Documentation



DNR Managed Lands Amm 151

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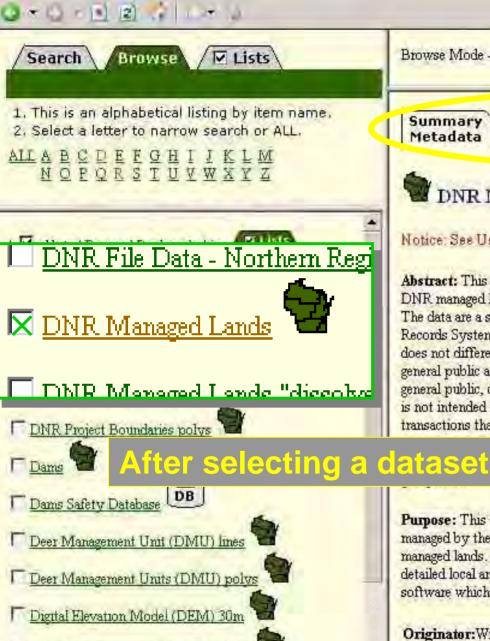
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Digital Elevation Model (DEM) 75m

Browse Mode - Listing ALL items alphabetically

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Use tabs to find more information

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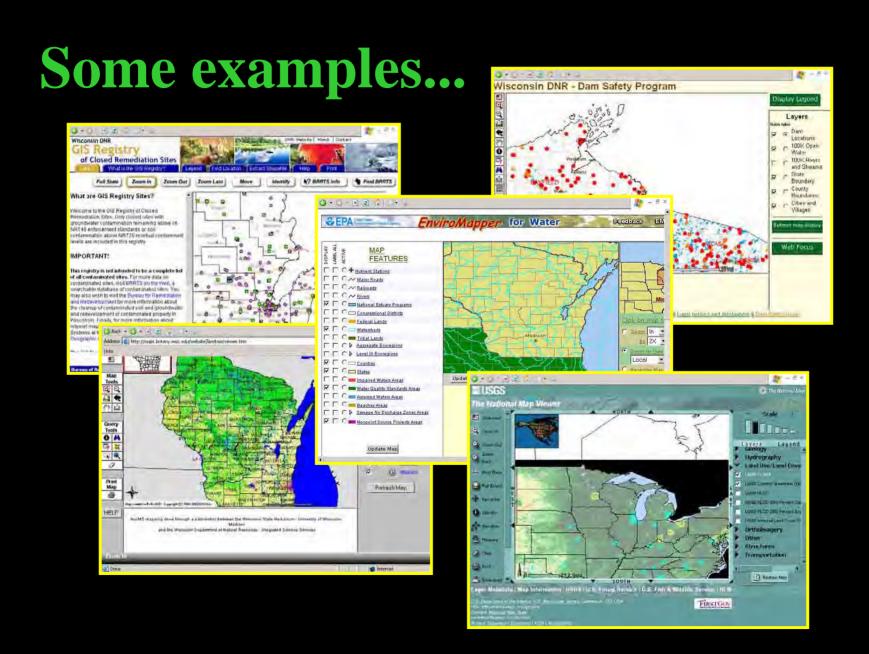
Computer tools can help you ...

Use maps to look at data.

Using maps to look at data...

• Internet mapping tools allow you to organize and display information.

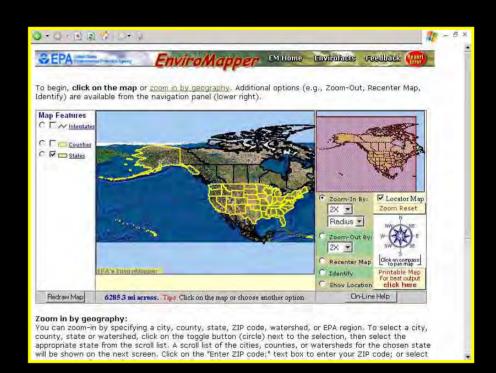
• Maps can integrate environmental concerns with other issues



EnviroMapper

This interactive EPA tool allows you to view map features at national, regional, state, and local scales.

Use EnviroMapper to query EPA water databases and create customized maps.



* () - [1] [2] *



To begin, **click on the map** or <u>zoom in by geography</u>. Additional options (e.g., Zoom-Out, Recenter Map, Identify) are available from the navigation panel (lower right).



Zoom in by geography:

You can zoom-in by specifying a city, county, state, ZIP code, watershed, or EPA region. To select a city, county, state or watershed, click on the toggle button (circle) next to the selection, then select the appropriate state from the scroll list. A scroll list of the cities, counties, or watersheds for the chosen state will be shown on the next screen. Click on the "Enter ZIP code;" text box to enter your ZIP code; or select

* 10 - 10 12 1



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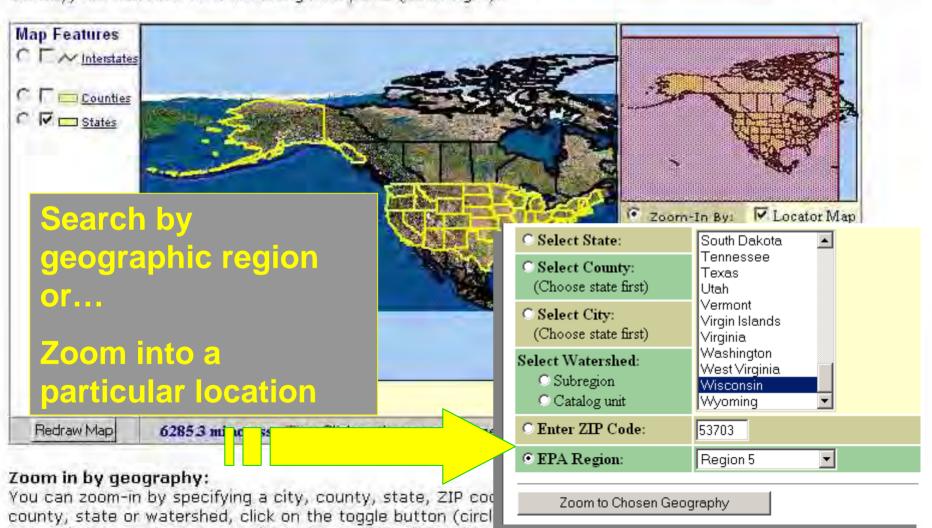


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EnviroMapper

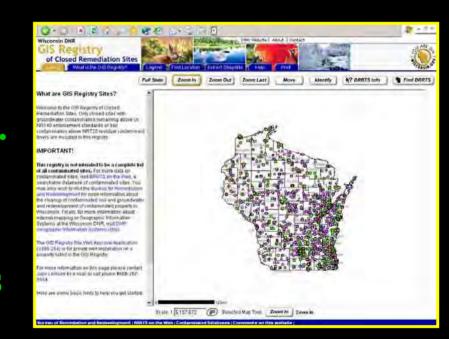


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Registry of Closed Remediation Sites

This DNR system records Closed Remediation Sites in a computerized registry.

Use this tool to locate and map cleaned up properties and download documents relevant to those sites.





What are GIS Registry Sites?

Welcome to the GIS Registry of Closed Remediation Sites, Only closed sites with groundwater contamination remaining above ch. NR140 enforcement standards or soil contamination above NR720 residual contaminant levels are included in this registry.

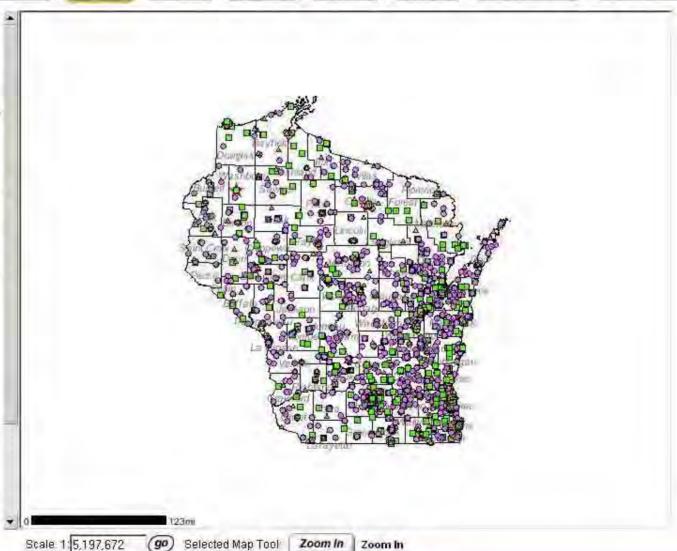
IMPORTANT!

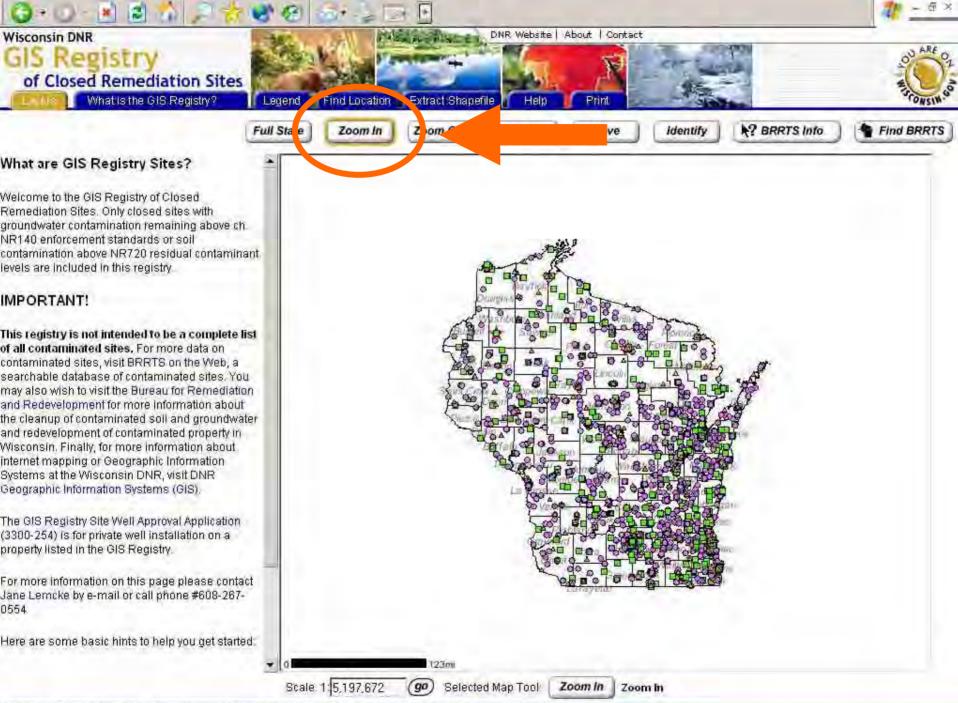
This registry is not intended to be a complete list of all contaminated sites. For more data on contaminated sites, visit BRRTS on the Web, a searchable database of contaminated sites. You may also wish to visit the Bureau for Remediation and Redevelopment for more information about the cleanup of contaminated soil and groundwater and redevelopment of contaminated property in Wisconsin, Finally, for more information about internet mapping or Geographic Information Systems at the Wisconsin DNR, visit DNR Geographic Information Systems (GIS).

The GIS Registry Site Well Approval Application (3300-254) is for private well installation on a property listed in the GIS Registry.

For more information on this page please contact Jane Lemcke by e-mail or call phone #608-267-0554

Here are some basic hints to help you get started.











Full State

Zoom Out

Zoom In

Zoom Last

Move

Identify

RRTS Info



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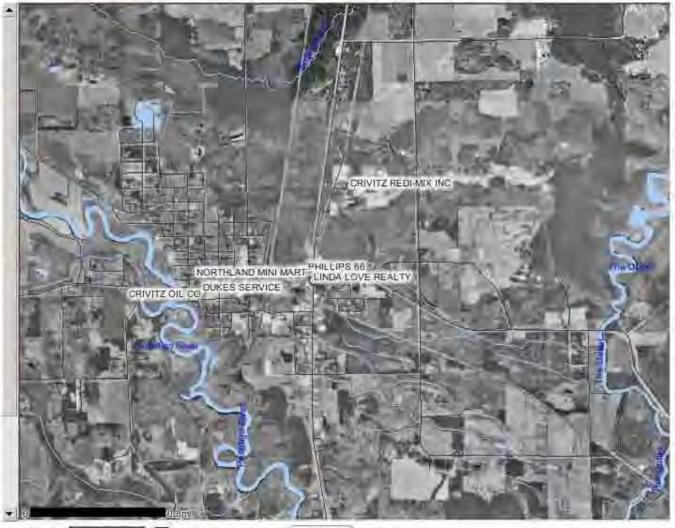
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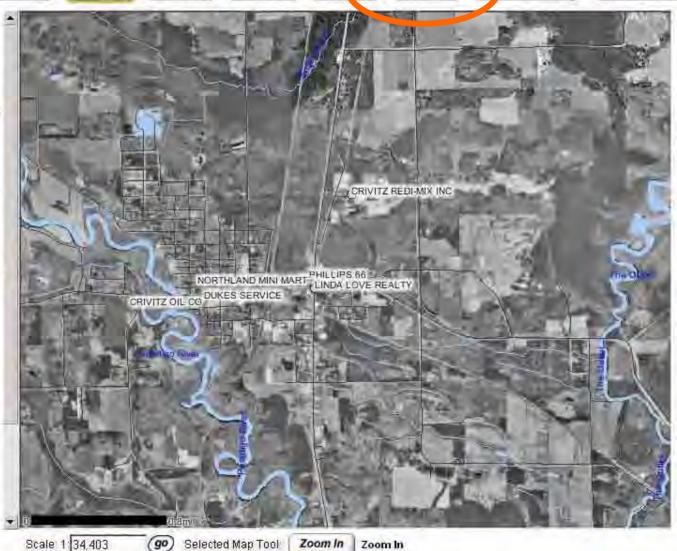
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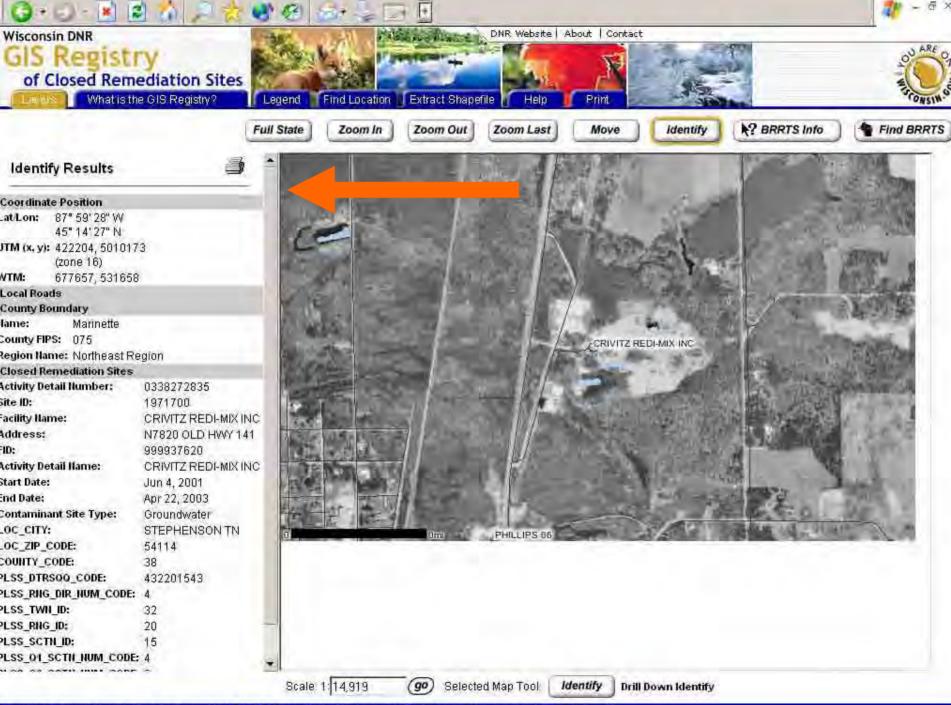
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Zoom In





Selected Map Tool

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IMPORTANT!

This registry is not intended to be a complete list of all contaminated sites. For more data on contaminated sites, visit BRRTS on the Web, a searchable database of contaminated sites. You may also wish to visit the Bureau for Remediation and Redevelopment for more information about the cleanup of contaminated soil and groundwater and redevelopment of contaminated property in Wisconsin. Finally, for more information about internet mapping or Geographic Information Systems at the Wisconsin DNR, visit DNR Geographic Information Systems (GIS).

The GIS Registry Site Well Approval Application (3300-254) is for private well installation on a property listed in the GIS Registry.

For more information on this page please contact Jane Lemcke by e-mail or call phone #608-267-0554

Here are some basic hints to help you get started:



Zoom In

Zoom In



What are GIS Registry Sites?

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of Closed Remediation Sites

What is the GIS Registry?







Full State

Zoom In Zoom Out Zoom Last

Move

Identify

? BRRTS Info

Find BRRTS

BRRTS Activity Info

BRRTS Activities:

Activity Detail Ho.: 0338272835

CRIVITZ REDI-MIX INC.

Hame: Info on activity 0338272835 Link to BRRTS db:

Link to PDF: 0338272835.pdf



Scale: 1: 14,574

Selected Map Tool:



Identify Closed Remediation Sites



of Closed Remediation Sites

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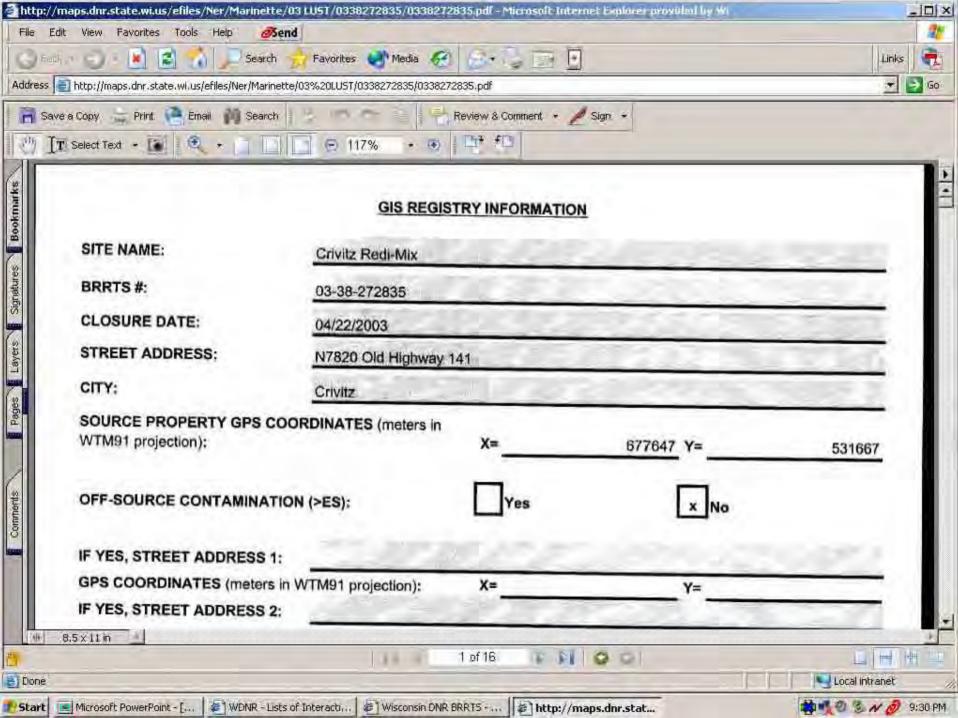
Scale: 1: 14,574

go

Selected Map Tool:



Identify Closed Remediation Sites



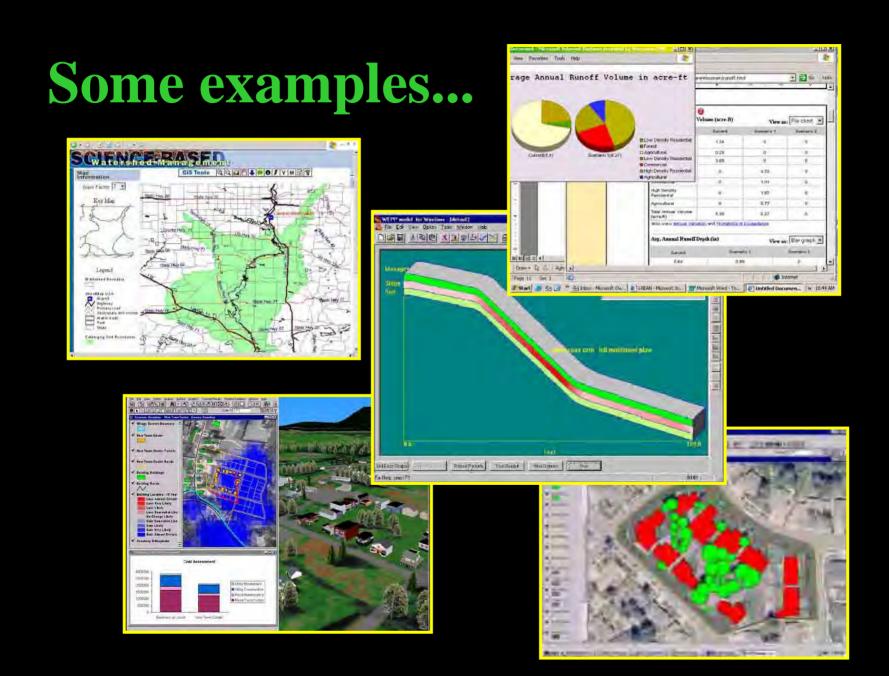
Computer tools can help you ...

Identify potential impacts.

Identifying potential impacts...

• Computer tools can help you evaluate alternatives.

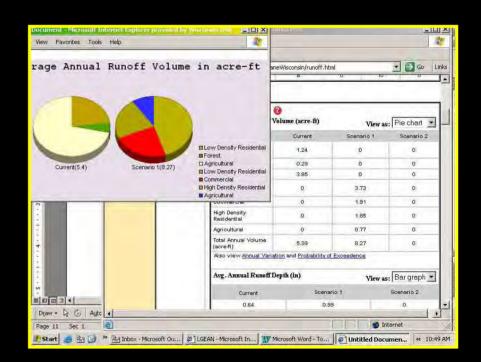
• These tools can conduct complicated analyses, but are easy to use.



Long-term Hydrologic Impact Assessment (L-THIA)

This EPA-sponsored tool predicts changes in runoff quantity and quality.

Use this tool to show potential impacts in tabular and graphic formats.

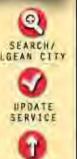






L-THIA Basic Model

Step One



SITE MAP

LGEAN

Introduction to Basic L-THIA

Based on more than 30 years of daily precipitation data for the United States, L-THIA estimates changes in recharge, runoff, and nonpoint source pollution resulting from past or proposed development. In this basic model of L-THIA, users only need to input:

Land Use Change

Results

Interpreting

- · their location (state and county);
- the type of soil in the area where the land use change is to occur (available online if unknown);
 and
- the type and size of land use change that will occur (e.g., 100 acres of agricultural land converted to 50 acres high-density residential and 50 acres commercial).

L-THIA will generate estimated runoff volumes and depths, and expected nonpoint source pollution loadings to waterbodies, based on the information provided by the user Results can be displayed in tables, bar graphs, and pie charts.



SEARCH/

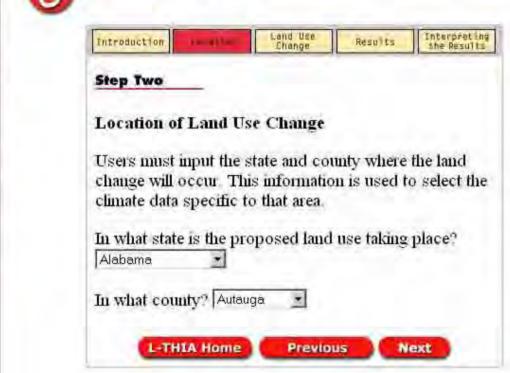
MPDATE SERVICE

SITE MAP

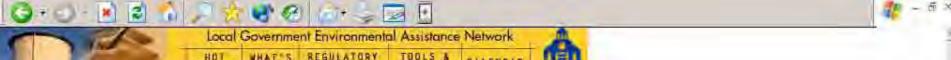
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ASK.

HOME



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n | Tools & Resources | Calendar

Search/LGLAN City | Update Service | Site Map | Ask LGEAN | About LGEAN | LGEAN Partners | Home



Who



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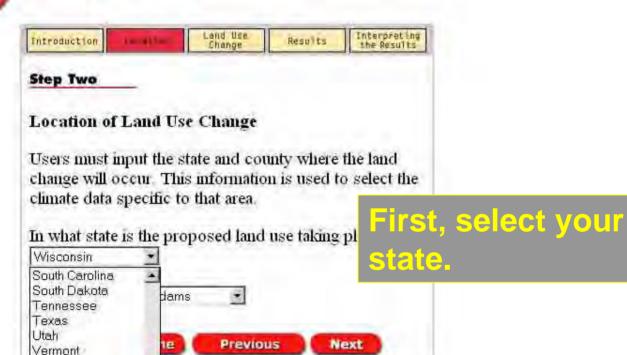
SITE MAP

ASK

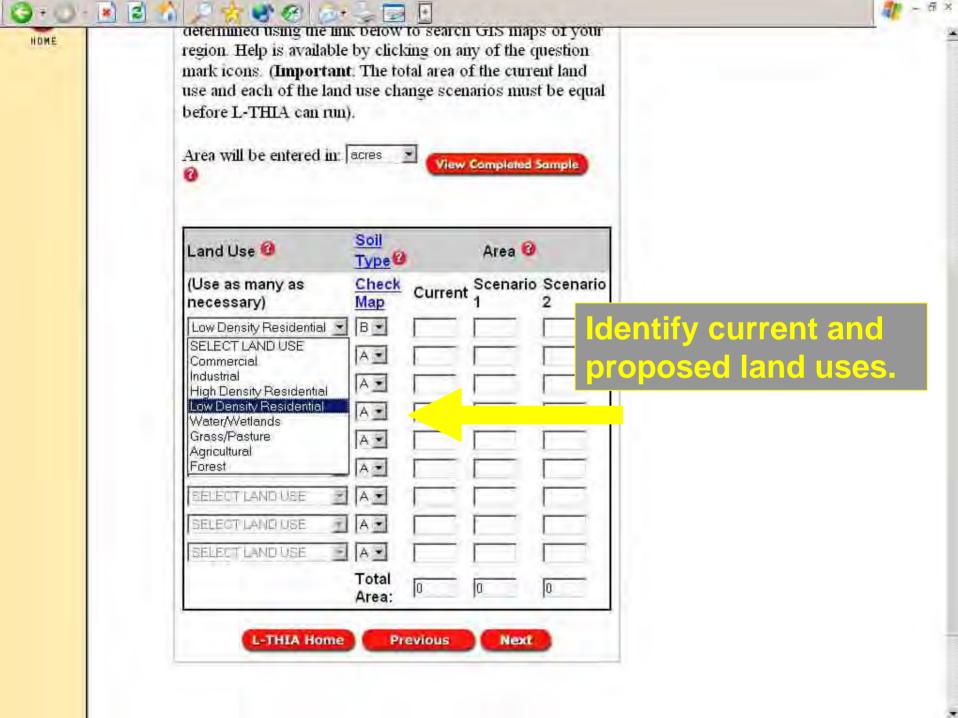
HOME

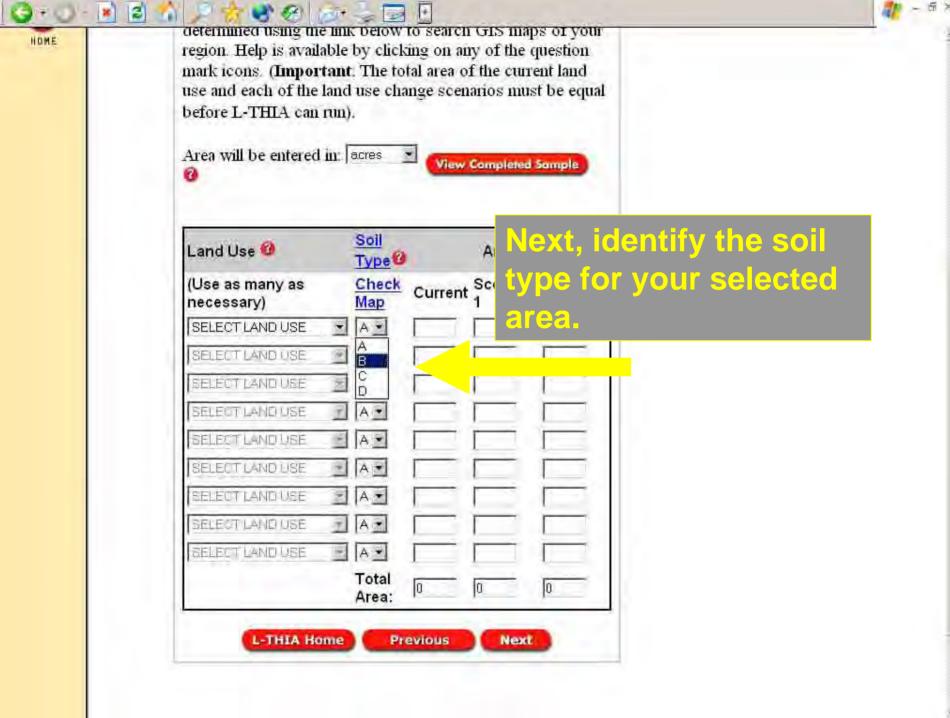
Virginia Washington West Virginia Wisconsin

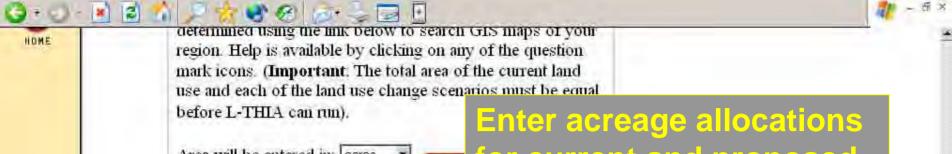
Wyoming





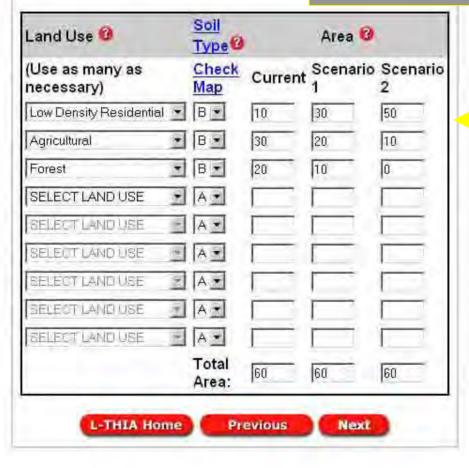






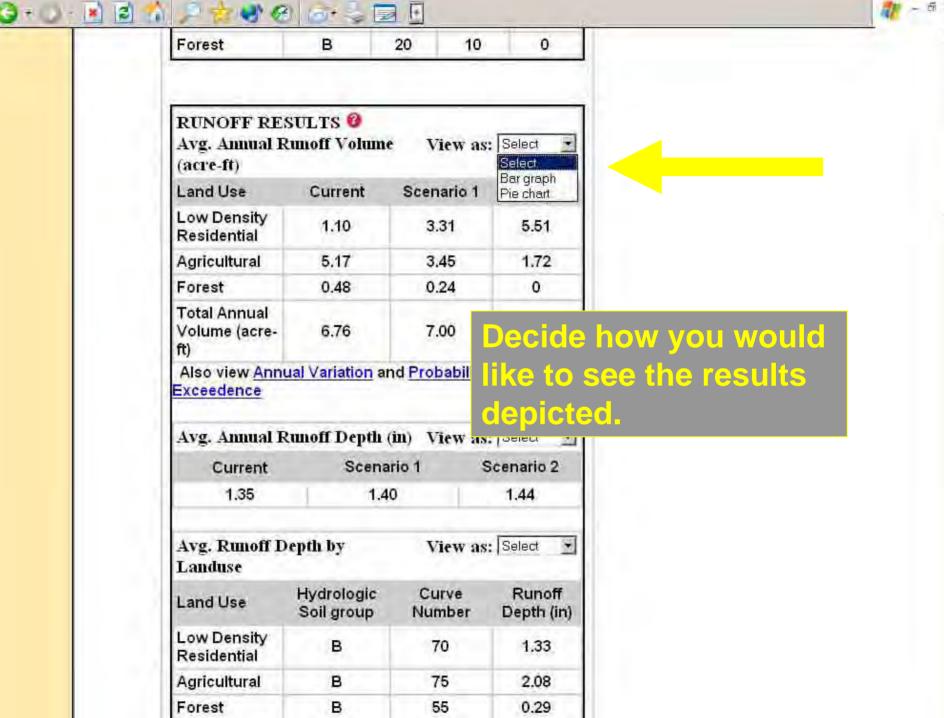
Area will be entered in: acres View

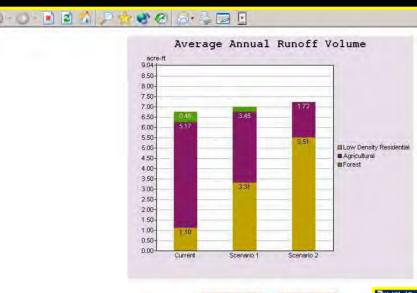
for current and proposed land uses.





L-THIA will then generate results.





Close

Print Results

L-THIA then presents the results in an easily understood way.



Community Viz and CITY green

Some tools have an added visualization element.

Use these tools to depict aesthetic & visual changes.



Questions?

Please ask us!